

REMARKS

Applicant acknowledges receipt of the Examiner's Office Action dated September 6, 2006. The Office Action rejected all claims pending at that time. In light of the foregoing amendments and following remarks, Applicants respectfully request the Examiner's reconsideration and reexamination of all pending claims.

Applicants acknowledge the claim numbering error identified in the Office Action. Applicants are grateful to the Examiner for pointing out this error. Applicants have renumbered the claims. The claims should now be consistent with the renumbering set forth within the Office Action.

The Office Action rejected claims 28, 39, and 33 under 35 U.S.C. § 101 as being directed to nonstatutory subject matter. The Office Action asserts these claims are nonstatutory for merely manipulating data without tying such manipulation of data to a useful, concrete, and tangible result. Applicant believes that original claims 28, 30, and 33 are in compliance with 35 U.S.C. § 101. Notwithstanding this, Applicants have elected at this time to amend independent claims 28 and 33 by adding the limitations of "transferring the data between the memory and the processor," and "initiating a transfer of the data between the memory and the processor," respectively. With the addition of these limitations, independent claims 28 and 30 should overcome the Examiner's rejection under 35 U.S.C. § 101. However, Applicant reserves the right to prosecute original independent claims 28 and 33 in a continuation application.

Claims 28, 29, 31, 32, 39, and 40 were rejected under 35 U.S.C. § 102 as being anticipated by U.S. Patent 5,895,501 issued to James E. Smith ("Smith"). In rejecting these claims, the Office Action interpreted "memory bus data width" to mean the size of the data that is being operated on by the memory bus.

Applicants have amended independent claims 28, 33, and 39 by removing the term “data.” As such, independent claims 28, 33, and 39 now recite determining an ending address of the data to be transferred from the starting address and a “memory bus width” or limitations similar thereto. With these amendments, independent claims 28 and 39 are patentably distinguishable over the cited sections of Smith.

Independent claim 33 was rejected under 35 U.S.C. § 103 as being unpatentable over Smith in view of Andrew S. Tanenbaum, “Structured Computer Organization,” 1984 (“Tanenbaum”). The Office Action asserted that Smith teaches the invention of claim 33 as detailed in the rejection of claim 28. Applicants assert that with the amendment to claim 33 contained herein, claim 33 is patentably distinguishable over the cited sections of Smith and Tanenbaum.

The remaining claims depend directly or indirectly from independent claims 28, 33, and 39. Insofar as these claims have been shown to be patentably distinguishable over the cited sections of Smith and Tanenbaum by virtue of the claim amendments herein, the dependent claims are likewise patentably distinguishable.

CONCLUSION

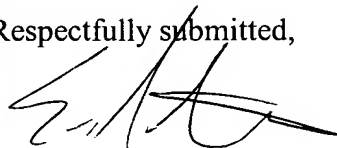
Applicants submit that all claims are now in condition for allowance, and an early notice to that effect is earnestly solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, the Examiner is requested to telephone the undersigned.

I hereby certify that this correspondence is being deposited with the United States Postal Service as First Class Mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, Virginia, 22313-1450, on December 5, 2006.


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12/5/06
Date of Signature

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